

ALASKA FEDERAL OFFSHORE
Descriptions of Geologic Plays
1995 National Resource Assessment
U.S. Minerals Management Service

NORTH ALEUTIAN BASIN ASSESSMENT PROVINCE
(John Parker and Richard Newman)

Play 1 (UANB0100¹). Tertiary Play: The only significant play involves Oligocene and Miocene drape over basement highs. Reservoir potential is good to excellent in the Oligocene and Miocene rocks in the COST well above 9,500 feet. Porosity and permeability increase and consolidation decreases going up in the section. Onshore, reservoir quality is generally poor, but the Miocene Bear Lake Formation is promising.

The organic material tested in the COST well was predominantly type III, humic, gas-prone kerogen. The top of the window for hydrocarbon generation is at 12,700 feet; the base is projected to be 20,000 feet. The traps are mainly simple anticlines and lightly faulted anticlines.

OIL AND GAS ENDOWMENTS OF NORTH ALEUTIAN BASIN PLAY
Risked, Undiscovered, Conventionally Recoverable Oil and Gas

PLAY NO.	PLAY NAME (UAI * CODE)	OIL (BBO)			GAS (TCFG)		
		F95	MEAN	F05**	F95	MEAN	F05**
1.	Oligocene-Miocene (UANB0100)	0.000	0.233	0.555	0.000	6.791	16.031
	FASPAG AGGREGATION	0.000	0.233	0.575	0.000	6.791	17.328

* Unique Assessment Identifier, code unique to play.

** Differences in F05 values at play and basin levels reflect different mathematic methods for construction of probability distributions.

¹The "UA" Code is the "Unique Assessment Identifier" for each play, and is the principal guide to GRASP data files.